Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/08/2020 11:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124484	-1	2.52	124578	2.57
Blue	F	SSC	125000	124749	-1	2.03	125540	2.05
Blue	E	FITC	15892	15413	-4	2.90	337	20.82
Blue	D	PE	29999	29340	-3	2.09	639	15.29
Blue	B	PerCP-Cy5-5	43732	43524	-1	3.83	1167	20.95
Blue	A	PE-Cy7	30845	30857	0	6.32	592	42.72
Red	C	APC	46112	44781	-3	2.50	1584	12.14
Red	A	APC-Cy7	30458	30035	-2	2.54	793	12.00
Violet	B	V450	7918	7604	-4	4.32	432	13.26
Violet	A	V500	32171	30943	-4	4.06	725	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17292	13.10	631	10	N/A	N/A	Pass
Blue	F	SSC	57020	1.44	572	13	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0182	122	Pass
Blue	D	PE	131	51.57	554	6	0.1461	248	Pass
Blue	B	PerCP-Cy5-5	216	51.06	662	6	0.0086	57	Pass
Blue	A	PE-Cy7	110	103.97	705	7	0.0098	11	Pass
Red	C	APC	377	25.26	585	1	0.0243	140	Pass
Red	A	APC-Cy7	174	28.24	558	2	0.0055	714	Pass
Violet	B	V450	66	59.30	460	2	0.0476	1882	Pass
Violet	A	V500	107	32.17	476	2	0.0227	522	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.55	-32.09	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.48	13.60 - 20.40	N/A	N/A	29.60	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10351

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments